



ADVANCED MATERIAL LAB TESTING CAPABILITIES

Resin Formulators is your trusted partner in custom epoxy specialty materials. With our advanced material lab testing services, we help engineers and manufacturers enhance performance, ensure compliance, and solve complex challenges with expert technical support.

In engineering, even minor variations in chemical composition can impact product durability and quality. Our world-class laboratory provides precise advanced material lab testing services, offering the data and insights needed to optimize formulations, maintain compliance, and ensure high standards of quality and safety for your projects.

Resin Formulators' in-house polymer characterization services speed up the product development timeline by fifty percent, and increases our ability to test for customer specifications, batch requirements, and assist with expedite delivery needs.

Customers benefit from our adaptable and nimble quality-focused approach and world-class technical and service experts who are dedicated to understanding your specification requirements.

COMMITMENT TO QUALITY AND SERVICE

GracoRoberts and Resin Formulators are fully qualified to design, manufacture, and distribute products to a variety of industries. We are independently certified to three rigorous international quality standards: ISO 9001:2015, AS9100 (Rev. D) and AS9120 (Rev. B).

To verify compliance with the requirements of these certifications, we engage in routine on-site examinations and audits of our processes. These certifications, along with stringent self examination practices, help ensure that we provide the highest quality products and services to our customers.

TESTING CAPABILITIES

- » Cure kinetics
- » Density
- » Specific gravity
- » Viscosity
- » Water absorption
- » Compression
- » Fracture toughness
- » Shore hardness
- » Lap shear
- » Elongation
- » Modulus
- » Pot life
- » T-Peel strength
- » Tensile strength
- » Degree of cure
- » Gel time
- » Glass transition
- » Heat capacity
- » Melting point
- » Reaction kinetics
- » Dynamic mechanical analysis (DMA)
- » Differential scanning calorimetry
- » Coefficient of thermal expansion (CTE)
- » Fourier Transform Infrared Spectroscopy (FTIR)

TESTING EQUIPMENT

- » Mechanical testing machine
- » Rheometer
- » Brookfield viscometer
- » Instron Hardness devices,
- » 00/A/D
- » TMA
- » Microscope
- » Thermal conductivity tester device
- » Specific gravity meter
- » DSC
- » DMA
- » FTIR
- » Boilers

MEET YOUR EXPERTS



JULIETA ZATARAY, PhD
SENIOR RESEARCH CHEMIST

Julieta Zataray, Resin Formulators' Senior Research Chemist, utilizes her 12+ years of chemical research expertise to provide personalized troubleshooting,

customized checklists, and expert guidance to solve complex material challenges. Whether designing new formulations or refining existing ones, Julieta ensures a comprehensive testing and development process for optimal performance.



DAVID ASH-GILBERT,
GENERAL MANAGER

David Ash-Gilbert is Resin Formulators' Director of Product Development and utilizes his 15 years of experience to create unique solutions for the

aerospace, electronics, and other advanced manufacturing industries. He is dedicated to offering consultative technical support to develop high-quality and cost-effective solutions for customers.